Airport Fire Fighter

NFPA 1003,
Standard for Airport Fire Fighter Professional Qualifications,
2010 Edition

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Introduction to Airport Fire Fighter Certification

Each individual seeking certification within the Kansas Fire & Rescue Training Institute, the University of Kansas, Certification System must submit an application and the appropriate fee to secure entrance into the system. **Candidates are given one year in which to complete the certification process.** Application forms may be downloaded at: [http://www.continuinged.ku.edu/fire/certification.php](http://www.continuinged.ku.edu/fire/certification.php).

A list of current fees may be obtained by calling 785-864-4790 or toll free 1-866-804-8841 or may be downloaded from [http://www.continuinged.ku.edu/fire/certification.php](http://www.continuinged.ku.edu/fire/certification.php). Purchase orders from cities or organizations will be accepted. Kansas Fire & Rescue Training Institute will not “bill” individuals for the certification fee. Checks or credit cards are accepted from individuals. Upon receipt of the application and fee, the candidate will be scheduled into a specific exam site as requested or the candidate may select an exam site from the schedule on the KUCE website.

Applicants may register for an exam site at the time of application by completing the appropriate block on the application form. Candidates requesting a specific test site should contact the Kansas Fire & Rescue Training Institute at 785-864-4790 or toll free 1-866-804-8841 to confirm that they have a reserved place at the exam.

Certification candidates are given two (2) attempts at each component, written and practical, **within the twelve month certification period.** If the candidate takes either component of the exam twice without passing, the candidate is required to resubmit a certification application form as well as an additional certification fee before being scheduled to retest a third time.

Candidates failing the written, skills, or oral exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest and enroll at the next scheduled exam that has available space or they may come to the Kansas Fire & Rescue Training Institute in Lawrence, Kansas to take a retest. Written and skills exams will **not** be graded at the test site. Candidates may not take the written exam more than once per day.

Candidates are responsible for **all of the skills** required by the NFPA 1003, *Standard for Airport Fire Fighter Professional Qualifications*, 2010 edition, during the practical exam. An exact list of specific skills is included in the study guide. **Candidates should be prepared to test on any skill listed in the standard.** The intent of this process is to insure that candidates are prepared to test on skills required by the NFPA 1003 – 2010 standard.

Candidates will test four practical skill sets. **Skills Evaluation Item 1 – Common Skills** is evaluated in conjunction with all other skill sets. The remaining three skill sets will be chosen from Skills Evaluation Items 2 through 9.

Practical skill exams are graded on a pass/fail basis. Candidates must successfully complete all skill stations at an exam site to receive a passing grade for the practical exam. Each candidate is allowed two (2) attempts at each station.

Candidates failing the practical exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest by preregistering for another regularly scheduled exam. Candidates may not take the practical exam more than once per exam day.

**An official picture ID (e.g., driver’s license, military ID, etc.) must be shown for admittance to written and practical exams.**
**Certification Examination Instructions**  
**Airport Fire Fighter**  
**NFPA 1003 – 2010**

**Prerequisites:**  
Candidates seeking certification for Airport Fire Fighter within the Kansas Fire & Rescue Training Institute (KFRTI), the University of Kansas, must meet the following:


2. Verification of the following requirements by the Fire Chief (or designated representative) or employer. Verification of these requirements will be executed with the completion of the **Airport Fire Fighter Local Verification Form** found at the end of this Study Guide (page 23).
   
   a. The candidate has been fitted in accordance with 29 CFR 1910.134 to the SCBA mask that will be worn at the certification test.
   
   b. The candidate meets all occupational safety & health requirements of the jurisdiction.
   
   c. The candidate has been fitted with approved PPE meeting the requirements of the jurisdiction.
   
   d. The candidate is current with ARFF practices, policies, and technology as determined by the AHJ.

3. Candidate must be competent in all objectives listed in NFPA 1003, **Standard for Airport Fire Fighter Professional Qualifications**, 2010 edition.

4. Candidate must be previously nationally certified (IFSAC or NPQB) NFPA 1001 Fire Fighter II.

5. Successful completion of all parts of the Airport Fire Fighter certification exam will result in national certification as an Airport Fire Fighter.

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**Part I - Written Examination:**

The Airport Fire Fighter written certification exam is based on **Requisite Knowledge** objectives listed in the NFPA 1003, **Standard for Airport Fire Fighter Professional Qualifications**, 2010 edition.

1. Candidates are required to score a minimum of 70%.

2. The certification exam contains one hundred (100) true/false and multiple choice questions covering Airport Fire Fighter knowledge requirements as stated in NFPA 1003-2010. The candidate will be allowed two (2) hours to complete this portion of the exam.

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**Part II - Practical Skills Examination:**

The Airport Fire Fighter practical skills portion of the certification exam is based on **Requisite Knowledge** and **Requisite Skills** objectives listed in NFPA 1003, **Standard for Airport Fire Fighter Professional Qualifications**, 2010 edition.
1. Candidates will be required to score 100% on all evaluated skills, which are graded on a Pass/Fail basis.

2. The skills evaluation forms are available as part of this study guide.

References & Textbooks:

Certification Flow Chart for Airport Fire Fighter

1. Decide to seek National Certification
2. Attend an appropriate class
3. Submit certification application and fee to KF&RTI
4. Request test site from KF&RTI
5. Take written & practical exams

   - Pass all parts?
     - Yes: Receive certificate in 10 to 20 working days
     - No: Retest

   - Pass all parts?
     - Yes: Notified by KF&RTI in 10 to 20 working days
     - No: Retest
Airport Fire Fighter Written Exam Study Guidesheet


The reading and study references listed below represent published references from which certification exam questions are taken.

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<thead>
<tr>
<th>Section Subject &amp; NFPA Objective Number</th>
<th>Reading/Study Reference</th>
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<td><strong>General Knowledge Requirements.</strong></td>
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<td><strong>General Skills Requirements.</strong></td>
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<tr>
<td><strong>Respond to day and night incidents or accidents on and adjacent to the airport.</strong></td>
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<tr>
<td>5.2.1</td>
<td>pp. 31 – 50, 274 – 289</td>
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<tr>
<td><strong>Communicate critical incident information regarding an incident or accident on or adjacent to the airport.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Communicate with applicable air traffic control facilities.</strong></td>
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<tr>
<td>5.2.3</td>
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<td><strong>Perform an airport operation.</strong></td>
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<td>5.2.4</td>
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<td><strong>Extinguish a 250 square foot aircraft fuel spill fire using a (minimum 100lb) dry chemical fire extinguisher.</strong></td>
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<td>5.3.1</td>
<td>pp. 127 – 128, 179 – 210, 232 – 233, 344 - 346</td>
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<tr>
<td><strong>Extinguish an aircraft fuel spill fire using an ARFF vehicle AFFF handline.</strong></td>
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<td>5.3.2</td>
<td>pp. 127 – 128, 179 – 210, 232, 344 - 346</td>
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<tr>
<td><strong>Extinguish an aircraft fuel spill fire using an ARFF vehicle turret.</strong></td>
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<tr>
<td><strong>Extinguish a three-dimensional aircraft fuel fire using an ARFF vehicle handlines using primary &amp; secondary agents.</strong></td>
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<tr>
<td><strong>Attack a fire on the interior of the aircraft.</strong></td>
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<tr>
<td><strong>Attack an engine or auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft.</strong></td>
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(Continued)
Attack a wheel assembly fire.

Ventilate an aircraft through available doors and hatches.
5.3.8 pp. 57, 97 – 104, 244 – 260, 342, 350 – 354, 364

Replenish extinguishing agents.
5.3.9 pp. 22, 235 – 238, 291 – 292, 376

Preserve the aircraft accident scene.
5.3.10 pp. 310, 362, 375 – 376

Overhaul the accident scene.

Gain access into and out of an aircraft through normal entry points and emergency hatches, shut down and safety the aircraft, and assist in the evacuation process.

Locate and disentangle an entrapped victim from an aircraft.
5.4.2 pp. 58 – 72, 124 – 152, 244 – 260, 341 – 342, 355 – 357, 365, 368

Implement initial triage of the victims of an aircraft accident.
5.4.3 pp. 15, 364 – 365, 371 – 374
Airport Fire Fighter Practical Skills Exam Study Guidesheet


The reading and study references listed below represent published references from which certification exam skill sheets are derived.

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<th>Referenced Skill Sheets</th>
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<td>KFRTI 1</td>
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<tr>
<td>Operate hatches, doors, and evacuation chutes.</td>
<td>KFRTI 1</td>
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<tr>
<td>Approach, position, &amp; initially attack an aircraft fire.</td>
<td>KFRTI 1</td>
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<tr>
<td>Select, apply, and manage extinguishing agents.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Shut down aircraft systems, including engine, electrical, hydraulic, and fuel systems</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Operate aircraft extinguishing systems, including cargo area extinguishing systems</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Respond to day and night incidents or accidents on and adjacent to the airport.</td>
<td></td>
</tr>
<tr>
<td>5.2.1 Read, interpret, and take correct action related to:</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Grid maps.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Water distribution maps.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Airport markings.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Lights</td>
<td>KFRTI 1</td>
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<tr>
<td>Communicate critical incident information regarding an incident or accident on or adjacent to the airport.</td>
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<tr>
<td>5.2.2 Operate communications systems.</td>
<td>KFRTI 1</td>
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<tr>
<td>Communicate an accurate situation report.</td>
<td>KFRTI 1</td>
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<tr>
<td>Implement IMS protocol and airport emergency plan.</td>
<td>KFRTI 1</td>
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<tr>
<td>Recognize aircraft types.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Communicate with applicable air traffic control facilities.</td>
<td></td>
</tr>
<tr>
<td>5.2.3 Operate communications equipment.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Use aviation phraseology.</td>
<td>KFRTI 1</td>
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<tr>
<td>Use phonetic alphabet.</td>
<td>KFRTI 1</td>
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<tr>
<td>Perform an airport operation.</td>
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<tr>
<td>5.2.4 Recognize hazardous conditions.</td>
<td>KFRTI 1</td>
</tr>
<tr>
<td>Initiate corrective action.</td>
<td>KFRTI 1</td>
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<tr>
<td>Extinguish a 250 square foot aircraft fuel spill fire using a (minimum 100lb) dry chemical fire extinguisher.</td>
<td></td>
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<tr>
<td>5.3.1 Operate dry chemical extinguishers equipped with a hose line, including:</td>
<td>KFRTI 2</td>
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<tr>
<td>Removing and operating the hose.</td>
<td>KFRTI 2</td>
</tr>
<tr>
<td>Applying agent.</td>
<td>KFRTI 2</td>
</tr>
<tr>
<td>Extinguish an aircraft fuel spill fire using an ARFF vehicle AFFF handline.</td>
<td></td>
</tr>
<tr>
<td>5.3.2 Operate fire streams.</td>
<td>KFRTI 2</td>
</tr>
<tr>
<td>Apply agent.</td>
<td>KFRTI 2</td>
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</tbody>
</table>

(Continued)
Extinguish an aircraft fuel spill fire using an ARFF vehicle turret.
5.3.3 Apply firefighting agents and streams using ARFF vehicle turrets. KFRTI 2

Extinguish a three-dimensional aircraft fuel fire using an ARFF vehicle handlines using primary & secondary agents.
5.3.4 Operate fire streams. KFRTI 3
    Apply agents. KFRTI 3
    Secure fuel sources. KFRTI 3

Attack a fire on the interior of the aircraft.
5.3.5 Deploy ARFF handline on an interior aircraft fire. KFRTI 4
    Gain access to aircraft interior. KFRTI 4
    Open, close, and adjust nozzle flow and patterns. KFRTI 4
    Apply agent using direct, indirect, and combination attacks. KFRTI 4
    Advance charged and uncharged hoselines up ladders and up and down interior and exterior stairways. KFRTI 4
    Locate and suppress interior fires. KFRTI 4

Attack an engine or auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft.
5.3.6 Deploy and operate ARFF handline. KFRTI 5
    Operate turrets. KFRTI 5
    Gain access to aircraft engine and APU/EPU. KFRTI 5
    Shut down engine and APU. KFRTI 5

Attack a wheel assembly fire.
5.3.7 Approach the fire in accordance with safety procedures. KFRTI 5
    Select and apply agent. KFRTI 5

Ventilate an aircraft through available doors and hatches.
5.3.8 Operate doors, hatches, and forcible entry tools. KFRTI 6
    Operate mechanical ventilation devices. KFRTI 6
    Remove barriers. KFRTI 6

Replenish extinguishing agents.
5.3.9 Connect hoselines. KFRTI 7
    Operate valves. KFRTI 7
    Operate pumps and transfer devices. KFRTI 7

Preserve the aircraft accident scene.
5.3.10 Preserve the scene for investigators. KFRTI 8
    Identify, protect, and report evidence. KFRTI 8

Overhaul the accident scene.
5.3.11 Use property conservation equipment. KFRTI 9
    Detect hidden fires. KFRTI 9
    Use tools and equipment to expose hidden fires. KFRTI 9

Gain access into and out of an aircraft through normal entry points and emergency hatches, shut down and safety the aircraft, and assist in the evacuation process.
5.4.1 Operate power saws and cutting tools. KFRTI 6
    Operate hydraulic devices. KFRTI 6
    Operate pneumatic devices. KFRTI 6
    Operate pulling devices. KFRTI 6
    Operate specialized ladders and high-reach devices. KFRTI 6
    Secure aircraft safety and shutdown. KFRTI 6

(Continued)
Locate and disentangle an entrapped victim from an aircraft.
5.4.2 Perform search procedures.
Control hazards.
Remove victims.
Operate rescue tools.

Implement initial triage of the victims of an aircraft accident.
5.4.3 Triage patients per protocol.
**NFPA 1003-2010, Airport Fire Fighter**

**Skill Set: Common Skills**

**OBJECTIVE:** NFPA 1003-2010, Chapter 5, Sections 5.1.1.4, 5.2.1, 5.2.2, 5.2.3, & 5.2.4


**Candidate Equipment Required:** PPE, SCBA, radio.

**Evaluator Equipment Required:** None.

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**Read To Candidate**

At this station, you will be required to demonstrate the proper skills to use on and adjacent to the airport while responding to emergency incidents. These skills include general skills required of all Aircraft Rescue Fire Fighters; your ability to respond to day and night incidents or accidents; your ability to communicate critical information regarding the incident or accident; your ability to communicate with applicable air traffic control facilities; and your ability to perform an airport operation.

This skill set is evaluated in conjunction with each of the other skills sets with which you will be evaluated. In other words, these are the skills you would perform in conjunction with and as part of other assignments and will be evaluated in that context.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must **successfully complete 100% of the steps.**

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**1st Attempt 2nd Attempt**

<table>
<thead>
<tr>
<th>P</th>
<th>F</th>
<th>P</th>
<th>F</th>
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</thead>
</table>

**Skill Steps**

**Section 5.1.1.4 – General skills requirements.**

1. Don PPE.
2. Operate hatches, doors, and evacuation chutes.
3. Approach, position, & initially attack an aircraft fire.
4. Select, apply, and manage extinguishing agents.
5. Shut down aircraft systems, including engine, electrical, hydraulic, and fuel systems.
6. Operate aircraft extinguishing systems, including cargo area extinguishing systems

**Section 5.2.1 – Respond to day and night incidents or accidents on and adjacent to the airport.**

7. Read, interpret, and take correct action related to:
   a. Grid maps.
   b. Water distribution maps.
   c. Airport markings.
   d. Lights

**Section 5.2.2 – Communicate critical incident information regarding an incident or accident on or adjacent to the airport.**

8. Operate communications systems.
9. Communicate an accurate situation report.
10. Implement IMS protocol and airport emergency plan.
11. Recognize aircraft types.

(Continued)
Section 5.2.3 – Communicate with applicable air traffic control facilities.

12. Operate communications equipment.
13. Use aviation phraseology.
14. Use phonetic alphabet.

Section 5.2.4 – Perform an airport operation.

15. Recognize hazardous conditions.
16. Initiate corrective action.

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
Skill Set: Extinguish an Aircraft Fuel Spill Fire

**OBJECTIVE:** NFPA 1003 – 2010, Chapter 5, Sections 5.3.1, 5.3.2, & 5.3.3.


**Candidate Equipment Required:** PPE, SCBA, radio.

**Evaluator Equipment Required:** ARFF vehicle, handlines, nozzles, extinguishing agents, 100lb (minimum) dry chemical extinguisher.

### Read To Candidate

At this station, you will be required to extinguish an aircraft fuel spill fire.

*(The candidate will be evaluated in one of the following three scenarios.)*

**Dry Chemical Extinguisher Scenario:** In this emergency scenario, you will extinguish an aircraft fuel spill fire of approximately 250 square feet using a dry chemical extinguisher of at least 100lbs.

**ARFF Handline Scenario:** In this emergency scenario, you will be required to extinguish a spilled aircraft fuel spill using a handline off an ARFF vehicle. You will deploy the handline and serve as the nozzle operator. You will be backed up by another firefighter, however that other firefighter is not being evaluated at this time. The actions of the ARFF vehicle Driver/Operator will not be evaluated during this scenario.

**ARFF Turret Scenario:** In this emergency scenario, you will be required to extinguish a spilled aircraft fire fire using the turret of an ARFF vehicle. The actions of the ARFF vehicle Driver/Operator will not be evaluated during this scenario.

**Remember** that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must **successfully complete 100% of the steps.**

<table>
<thead>
<tr>
<th>1st Attempt</th>
<th>2nd Attempt</th>
<th>Skill Steps</th>
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</thead>
<tbody>
<tr>
<td>P</td>
<td>F</td>
<td>P</td>
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</tbody>
</table>

**Section 5.3.1 – Extinguish a 250 square foot aircraft fuel spill fire using a (minimum 100lb) dry chemical fire extinguisher.**

Operate dry chemical extinguishers equipped with a hose line, including:

- ___ ___ ___ ___ 1. Removing and operating the hose.
- ___ ___ ___ ___ 2. Applying agent.

**Section 5.3.2 – Extinguish an aircraft fuel spill fire using an ARFF vehicle AFFF handline.**

- ___ ___ ___ ___ 3. Operate fire streams.
- ___ ___ ___ ___ 4. Apply agent.

(Continued)
Section 5.3.3 – Extinguish an aircraft fuel spill fire using an ARFF vehicle turret.

____  ____  ____  ____  5. Apply firefighting agents and streams using ARFF vehicle turrets.

Candidate’s Name: ____________________________________________  Station:  P ____ F ____

Evaluator's Signature: ____________________________________________  Date: _____________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
Skill Set: 3-Dimensional Aircraft Fire

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Sections 5.3.4


Candidate Equipment Required: PPE, SCBA, radio.

Evaluator Equipment Required: ARFF vehicle, handlines, nozzles, extinguishing agents.

Read To Candidate

At this station, as part of an Aircraft Rescue and Fire Fighting crew, you will extinguish a three-dimensional aircraft fire using an ARFF vehicle’s handlines, using primary and secondary agents.

You will serve as the nozzle operator on the crew. The remainder of the crew, as well as the ARFF vehicle Driver/Operator, are not being evaluated and serve only to back you up during the course of this scenario.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

1st Attempt 2nd Attempt

P  F  P  F

Section 5.3.4 – Extinguish a three-dimensional aircraft fuel fire using an ARFF vehicle handlines using primary & secondary agents.

___ ___ ___ ___ 1. Operate fire streams.

___ ___ ___ ___ 2. Apply agents.

___ ___ ___ ___ 3. Secure fuel sources.

Candidate’s Name: ____________________________________________ Station: P  F ___

Evaluator’s Signature: ________________________________________ Date: ____________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
Skill Set: Attack a Fire on the Interior of the Aircraft

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Section 5.3.5


Candidate Equipment Required: PPE, SCBA, radio.

Evaluator Equipment Required: ARFF vehicle, handlines, nozzles, extinguishing agents, forcible entry tools, aircraft stairway (if required).

Read To Candidate

At this station, you will be required to attack a fire on the interior of an aircraft. You must make your way to the aircraft door and make access to the interior of the aircraft. Upon making access, you must extinguish the fire.

You will serve as the nozzle operator on the crew. The remainder of the crew, as well as the ARFF vehicle Driver/Operator, are not being evaluated and serve only to back you up during the course of this scenario.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

1st Attempt 2nd Attempt Skill Steps
P F P F

Section 5.3.5 – Attack a fire on the interior of the aircraft.

___ ___ ___ ___ 1. Deploy ARFF handline on an interior aircraft fire.

___ ___ ___ ___ 2. Gain access to aircraft interior.

___ ___ ___ ___ 3. Open, close, and adjust nozzle flow and patterns.

___ ___ ___ ___ 4. Apply agent using direct, indirect, and combination attacks.

___ ___ ___ ___ 5. Advance charged and uncharged hoselines up ladders and up and down interior and exterior stairways.


Candidate’s Name: _______________________________ Station: P ____ F ____

Evaluator’s Signature: ___________________________ Date: ______________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
Skill Set: Attack Engine, APU/EPU, or Wheel Assembly Fire

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Sections 5.3.6 and 5.3.7


289 – 291, 342 – 344, 346 – 348

Candidate Equipment Required: PPE, SCBA, radio.

Evaluator Equipment Required: ARFF vehicle, handlines, nozzles, extinguishing agents.

Read To Candidate

(Evaluator will read only ONE of the following three options:)

At this station, you will be required to extinguish an engine fire on an aircraft.

– OR –

At this station, you will be required to extinguish an auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft

– OR –

At this station, you will be required to extinguish a wheel assembly fire on an aircraft.

You will serve as the nozzle operator on the crew. The remainder of the crew, as well as the ARFF vehicle Driver/Operator, are not being evaluated and serve only to back you up during the course of this scenario.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

1st Attempt 2nd Attempt  

| S | T | P | F |

Section 5.3.6 – Attack an engine or auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft.

___ ___ ___ ___ 1. Deploy and operate ARFF handline.

___ ___ ___ ___ 2. Operate turrets.

___ ___ ___ ___ 3. Gain access to aircraft engine and APU/EPU.

___ ___ ___ ___ 4. Shut down engine and APU.

Section 5.3.7 – Attack a wheel assembly fire.

___ ___ ___ ___ 5. Approach the fire in accordance with safety procedures.

___ ___ ___ ___ 6. Select and apply agent.

Candidate’s Name: ____________________________________________ Station: P ___ F ___

Evaluator’s Signature: _________________________________________ Date: ______________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
Skill Set: Rescue Passengers

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Sections 5.3.8, 5.4.1, 5.4.2, and 5.4.3


Candidate Equipment Required: PPE, SCBA, radio.
Evaluator Equipment Required: ARFF vehicle, handlines, nozzles, extinguishing agents, forcible entry tools, aircraft stairway (if required), mechanical ventilation devices, stretchers/backboards, triage equipment.

Read To Candidate

At this station, you will be required make entry into the aircraft and ventilate the passenger compartment to make it more tenable for the passengers. You must then search for victims, disentangle any victims you find, and safely remove the victims from the aircraft. Finally, you must triage the victims that have been removed.

In the course of this mission, you may be required to make forcible entry to gain access to the passenger compartment. You may use any of the tools and equipment provided to do so. You must also ensure that the aircraft is shutdown and rendered safe.

You will operate as a member of an Aircraft Rescue and Fire Fighting team and each member will be evaluated separately. Remember to conduct your forcible entry, ventilation, aircraft shutdown, and patient handling in accordance with local protocols.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

<table>
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<th>Skill Steps</th>
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Section 5.3.8 – Ventilate an aircraft through available doors and hatches.

___ ___ ___ ___ 1. Operate doors, hatches, and forcible entry tools.
___ ___ ___ ___ 2. Operate mechanical ventilation devices.
___ ___ ___ ___ 3. Remove barriers.

Section 5.4.1 – Gain access into and out of an aircraft through normal entry points and emergency hatches, shut down and safety the aircraft, and assist in the evacuation process.

___ ___ ___ ___ 4. Operate power saws and cutting tools.
___ ___ ___ ___ 5. Operate hydraulic devices.
___ ___ ___ ___ 6. Operate pneumatic devices.
___ ___ ___ ___ 7. Operate pulling devices.
___ ___ ___ ___ 8. Operate specialized ladders and high-reach devices.
Section 5.4.2 – Locate and disentangle an entrapped victim from an aircraft.


11. Control hazards.

12. Remove victims.

13. Operate rescue tools.

Section 5.4.3 – Implement initial triage of the victims of an aircraft accident.

14. Triage patients per protocol.
Skill Set: Replenish Extinguishing Agents

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Section 5.3.9


Candidate Equipment Required: PPE, radio

Evaluator Equipment Required: ARFF vehicle; pumps & transfer devices; hoses; appropriate agent(s); hydrant; hydrant wrench.

Read To Candidate

At this station, you will be required to replenish extinguishing agents on board your assigned ARFF vehicle.

You will make all necessary connections and operate all necessary equipment to effect replenishment of the ARFF vehicle. You may ask me for the assistance of fellow firefighters to assist moving heavy equipment, manning distant ends, etc. These firefighters will work under your direction and will only do what you tell them to do. They will not help you think through your task. These firefighters, as well as the ARFF vehicle Driver/Operator, are not being evaluated and serve only to back you up during the course of this scenario.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

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Section 5.3.9 – Replenish extinguishing agents.

___ ___ ___ ___ 1. Connect hoselines.
___ ___ ___ ___ 2. Operate valves.
___ ___ ___ ___ 3. Operate pumps and transfer devices.

Candidate’s Name: ________________________________ Station: P ____ F ____

Evaluator’s Signature: ____________________________ Date: ______________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
NFPA 1003-2010, Airport Fire Fighter KFRTI Skills Evaluation Item 8

Skill Set: Preserve Evidence

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Sections 5.3.10


Candidate Equipment Required: PPE, SCBA, radio.

Evaluator Equipment Required: Equipment (barrier tape, markers, stakes, clean paint cans, etc.) to preserve evidence.

Read To Candidate

At this station, you will be required to preserve the scene of a simulated aircraft accident or crash. In so doing, you must also identify, protect, and report evidence that you may come across.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

1st Attempt 2nd Attempt  

P F P F  Skill Steps

Section 5.3.10 – Preserve the aircraft accident scene.

___ ___ ___ ___ 1. Preserve the scene for investigators.

___ ___ ___ ___ 2. Identify, protect, and report evidence.

Candidate’s Name: ___________________________________________  Station: P ____ F ___

Evaluator’s Signature: ___________________________________________  Date: ____________

If the candidate FAILS this station after both attempts, provide comments on the back of this sheet and turn it in to the Exam Site Coordinator.
NFPA 1003-2010, Airport Fire Fighter

KFRTI Skills Evaluation Item 9

Skill Set: Overhaul the Accident Scene

OBJECTIVE: NFPA 1003 – 2010, Chapter 5, Section 5.3.11


Candidate Equipment Required: PPE, SCBA, radio.

Evaluator Equipment Required: Tools, equipment, and supplies for overhaul; ARFF vehicle; hoselines.

Read To Candidate

At this station, you will be required to overhaul the scene of an aircraft fire. You may use any of the equipment, tools, and supplies provided.

You may ask me for the assistance of fellow firefighters to back you up on hoselines, assist moving heavy equipment, manning distant ends, etc. These firefighters will work under your direction and will only do what you tell them to do. They will not help you think through your task. These firefighters, as well as the ARFF vehicle Driver/Operator, are not being evaluated and serve only to back you up during the course of this scenario.

Remember that as part of this scenario, you are also being evaluated in all the common skills required of an Aircraft Rescue Fire Fighter that are listed in Skill Set 1.

This is not a timed event. However, you should complete this station within a reasonable fireground time.

To pass this station, you must successfully complete 100% of the steps.

1st Attempt 2nd Attempt

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Section 5.3.11 – Overhaul the accident scene.

1. Use property conservation equipment.

2. Detect hidden fires.

3. Use tools and equipment to expose hidden fires.

Candidate’s Name: ____________________________________________  Station: P ___ F ___

Evaluator’s Signature: ________________________________________  Date: ______________

If the candidate FAILS this station after both attempts, provide comments below and turn it in to the Test Site Coordinator.
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Aircraft Fire Fighter
Local Verification & Mask Fit Form

NFPA 1003 – 2010

Candidate’s Name: ___________________________ Date of Birth: ______________

Local Verification Requirements

1. 29 CFR 1910.134, Mask Fit Documentation:
   The candidate has been successfully fitted to his or her Self-Contained Breathing Apparatus (SCBA) Mask in compliance with 29 CFR 1910.134 within the last twelve (12) calendar months.

2. NFPA 1003 – 2010, Paragraph 4.2.2:
   The candidate meets all applicable occupational safety and health requirements of the jurisdiction.

3. NFPA 1003 – 2010, Paragraph 4.3.4:
   Because job performance requirements involving exposure to products of combustion outside of the aircraft rescue and fire-fighting (ARFF) vehicle shall be performed in PPE which has been fitted to the candidate and meets the requirements of the jurisdiction.

4. NFPA 1003 – 2010, Paragraph 4.4.1:
   The candidate is current with ARFF fire protection technology, ARFF fire suppression practices, and applicable standards as determined by the AHJ.

I have reviewed the candidate’s file and affirm that the candidate identified above has met the requirements listed in paragraphs 1 through 4 above. All requirements have been successfully conducted and completed per local department protocol. All information listed above can be validated by a written and/or hard copy of the documents maintained by the department.

Typed or Legibly Printed Name of Fire Chief or Training Officer: ________________________
Signature of Fire Chief or Training Officer: ________________________

Date: ________________ Department: ________________________________

Fire Department Phone Number: (_____) __________ - ________________

Mail Completed Form To: Kansas Fire & Rescue Training Institute, KU Continuing Education, 1515 St Andrews Drive, Lawrence, KS 66047

04/10 KF&RTI